



DVD/Video CD/CD Player

DVD-S795

Operating Instructions

UC



Before attempting to connect, operate or adjust this product, please read this Operating Instructions manual completely and save this manual for future reference.

Safety information

Note:

This player can be used only where the power supply is AC 120 V, 60 Hz. It cannot be used elsewhere.

CAUTION:

DVD/VIDEO CD/CD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS DVD/VIDEO CD/CD PLAYER USES A VISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DVD/VIDEO CD/CD PLAYER CORRECTLY AS INSTRUCTED.

WHEN THIS DVD/VIDEO CD/CD PLAYER IS PLUGGED TO THE WALL OUTLET, DO NOT PLACE YOUR EYES CLOSE TO THE OPENING OF THE DISC TRAY AND OTHER OPENINGS TO LOOK INTO THE INSIDE OF THIS PLAYER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PLAYER TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE THE SUPPLIED ACCESSORIES ONLY.

This player is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this player itself is turned off. This state is called the standby mode. In this state, this player is designed to consume a very small quantity of power.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION	-LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.
ATTENTION	-RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.
VORSICHT	-LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.
ADVARSEL	-LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN.
ADVARSEL	-LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN.
VARNING	-LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN.
VARO!	-AVATTAESSA OLET ALTTIINA LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN.
注意	- 当打开这里会出现激光, 请不要直视激光。
注意	- ここを開くとレーザー光が出ます。 レーザー光をのぞき込まないでください。

(Inside of player)

FOR CANADIAN CUSTOMERS

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT AND FULLY INSERT.

THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICES-003.

FCC INFORMATION (for U.S.A)

- 1. IMPORTANT NOTICE: DO NOT MODIFY THIS UNIT!** This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modifications not expressly approved by Yamaha may void your authority, granted by the FCC, to use the product.
- 2. IMPORTANT:** When connecting this product to accessories and/or another product use only high quality shielded cables. Cable/s supplied with this product **MUST** be used. Follow all installation instructions. Failure to follow instructions could void your FCC authorization to use this product in the USA.
- 3. NOTE:** This product has been tested and found to comply with the requirements listed in FCC Regulations, Part 15 for Class "B" digital devices. Compliance with these requirements provides a reasonable level of assurance that your use of this product in a residential environment will not result in harmful interference with other electronic devices.

This equipment generates/uses radio frequencies and, if not installed and used according to the instructions found in the users manual, may cause interference harmful to the operation of other electronic devices.

Compliance with FCC regulations does not guarantee that interference will not occur in all installations. If this product is found to be the source of interference, which can be determined by turning the unit "OFF" and "ON", please try to eliminate the problem by using one of the following measures:

Relocate either this product or the device that is being affected by the interference.

Utilize power outlets that are on different branch (circuit breaker or fuse) circuits or install AC line filter/s.

In the case of radio or TV interference, relocate/reorient the antenna. If the antenna lead-in is 300 ohm ribbon lead, change the lead-in to coaxial type cable.

If these corrective measures do not produce satisfactory results, please contact the local retailer authorized to distribute this type of product. If you can not locate the appropriate retailer, please contact Yamaha Electronics Corp., U.S.A. 6600 Orangethorpe Ave, Buena Park, CA 90620

The above statement apply **ONLY** to those products distributed by Yamaha Corporation of America or its subsidiaries.

We Want You Listening For A Lifetime

YAMAHA and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion—and, most importantly, without affecting your sensitive hearing. Since hearing damage from loud sounds is often undetectable until it is too late, YAMAHA and the Electronic Industries Association's Consumer Electronics Group recommend you to avoid prolonged exposure from excessive volume levels.



Precautions

Please read these precautions before operating this player.

■ AC cord

To avoid any malfunctions of the player, and to protect against electric shock, fire or personal injury, please observe the following:

- **Hold the plug firmly when connecting or disconnecting the AC cord to this player.**
- **Do not connect or disconnect the AC cord when your hands are wet.**
- **Keep the AC cord away from heating appliances.**
- **Never put any heavy object on the AC cord.**
- **Do not attempt to repair or reconstruct the AC cord in any way.**
- **Remove dust, dirt, etc. on the plug at regular intervals.**
- **If the player has been dropped or otherwise damaged, set the player to the standby mode and disconnect the AC cord.**
- **If smoke, malodors or noises are emitted from the player, set the player to the standby mode and disconnect the AC cord.**

■ Placement

Avoid placing the player in areas of:

- direct sunlight or heating radiators, or closed automobiles
- high temperature [over 95°F (35°C)] or high humidity (over 90%)
- excessive dust
- vibration, impact or where the surface is tilted as the internal parts may be seriously damaged.
- Place the player in a horizontal position, and do not place anything heavy on it.
- Do not place the player on amplifiers or other equipment which may become hot.

■ Non-use periods

When the player is not being used, set the player to the standby mode.

When left unused for a long period of time, the player should be unplugged from the household AC outlet.

■ Do not place objects inside the player

- Touching internal parts of this player is dangerous, and may cause serious damage to the player. Do not attempt to disassemble the player.
- Do not put any foreign object on the disc tray.

■ Keep away from water and magnets.

- Keep the player away from flower vases, tubs, sinks, etc. If liquids are spilled into the player, serious damage could occur.
- Keep magnetic objects such as speakers, at a distance from the player.

■ Condensation

Moisture may form on the lens in the following conditions:

- immediately after a heater has been turned on.
- in a steamy or very humid room.
- when the player is moved from a cold environment to a warm one.

If moisture forms inside this player, it may not operate properly. In this case, turn on the power and wait about one hour for the moisture to evaporate.

■ When watching a TV broadcast

Depending on the reception condition of the TV, interference may appear on the TV screen while you are watching a TV broadcast and the player is left on. This is not a malfunction of the player or the TV. To watch a TV broadcast, set the player to the standby mode.

Dear Customers

May we take this opportunity to thank you for purchasing this YAMAHA DVD/Video CD/CD player.

We strongly recommend that you carefully study the Operating Instructions before attempting to operate the player and that you note the listed precautions.

The model number and serial number of this player can be found on either the back or the bottom of the player. Please note them in the space provided below and retain this booklet as a permanent record of your purchase to aid identification in the event of theft.

MODEL NUMBER _____

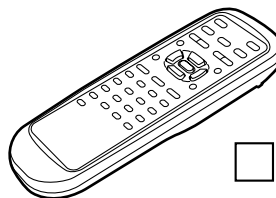
SERIAL NUMBER _____

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

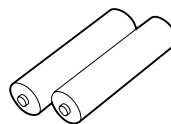
Accessories



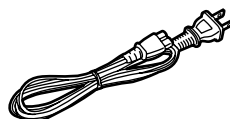
Please check and identify the supplied accessories.



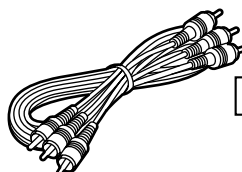
☐ Remote control unit 1



☐ Batteries 2
for remote control unit
[size "AA"]



☐ AC cord 1



☐ Video/audio cable 1

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Features

■ High picture quality

●10 bit video D/A converter

With its 10 bit capability, this D/A converter reproduces fine images faithfully.

●Component video output

When used with a compatible monitor, a video connection via the component video output jacks of your new DVD/Video CD/CD player is capable of the most precise color reproduction in a video signal.

●An array of picture quality modes yielded by digital processing

Signal deterioration is kept to the minimum by processing the data as digital data.

This feature can be used as the picture quality setting individually tailored for DVD playback.

–Cinema Image (See page 21.)

Using the On-Screen Menu Icon enables the cinema mode, which is best for the playback of movie programs, to be selected.

In addition, the picture quality best suited to the type of software programs concerned can be selected. In all, four picture quality modes are provided: normal, soft, fine and cinema.

–User selection (See page 21.)

Using the On-Screen Menu Icon, the contrast, color hue, equalizer and brightness can be adjusted to suit your own preference.

–Monitor selector (See page 36.)

Once the type of TV used [Standard (Direct View TV), CRT Projector, LCD Projector, Projection TV] has been selected when the initial setting operations are performed, the optimum picture quality for the type of TV concerned will be automatically selected.

■ High sound quality

●96 kHz/24 bit audio D/A converter

This player enables 96 kHz/24 bit linear PCM signals, which constitute the highest specifications in the DVD standards, to be reproduced faithfully. To support 96 kHz sampling/24 bit sound, the shaping noise of this multi-level digital sigma type of D/A converter is kept flat up to 44 kHz, thus preventing the important audio signals from being affected in any way. In terms of the bottom line, the sound in all of its various modes is reproduced faithfully.

●Dolby Digital 5.1ch surround decoder (See pages 21 and 40.)

The Dolby Digital 5.1ch surround decoder incorporated in this player comes with speaker mode settings which support the low-range reproduction capability of the speakers, speaker level settings, delay time settings, audio dynamic range suppression, Cinema Dialogue function to make it easier to hear movie dialogues, and other features.

●dts (digital theater systems) digital output (See page 10.)

By connecting an amplifier incorporating a dts decoder, you can enjoy high quality digital surround from dts discs.

■ On-Screen Menu Icons (See page 18.)

By simply pressing the ON SCREEN button on the remote control, information on the DVD/Video CD/CD player and disc can be displayed on the TV screen for easy identification. The player's operations and settings can be easily accessed by operating the cursor buttons on the remote control while monitoring the TV screen. The color and position of the On-Screen Menu Icons can be changed.

■ Versatile DVD features

●Multi-audio function (See page 27.)

The audio soundtrack can be heard in up to 8 languages. (The number of audio sound languages depends on the software.)

●Multi-subtitle function (See page 28.)

Subtitles may be displayed in one of a maximum of 32 languages. (The number of the subtitle languages depends on the software.)

●Multi-angle function (See page 29.)

This function allows you to choose the viewing angle of scenes which were shot from a number of different angles. (Limited to DVD recorded with multiple camera angles.)

●Parental lock function (See page 32.)

This function can prevent playback of DVD software unsuitable for some audiences (especially for children).

■ Marker function (See page 26.)

This player can store a maximum of 5 positions in memory, for convenient access, as desired.

■ Disc formats supported by this player

The player can play back discs bearing any of the following marks:



DVD

[3" (8 cm) disc/
5" (12 cm) disc]



Video CD

[3" (8 cm) disc/
5" (12 cm) disc]



CD

[3" (8 cm) disc/
5" (12 cm) disc]

■ Discs which cannot be played with this player

- DVD with Region No. other than "1" or "ALL"
- Disc of PAL system
- DVD-ROM
- DVD-R/DVD-RAM
- CD-ROM
- VSD
- CDV
- CD-G
- CD-RW
- DVD+RW
- CVD
- SVCD
- Divx Video Disc

●Do not try to play Photo CD or CD-R.

(Otherwise, data on the disc may be damaged.)

■ Region Management Information

This player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. The Region number of this player is "1". If the Region number described on the DVD disc does not correspond to the Region number of this player, this player cannot play this disc. This player will play DVD discs made for "ALL" Regions. This player will play DVD discs marked with the following symbols:



or



Definition of terms

Angle

Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left side, from the right side, etc.). With such discs, the ANGLE button can be used to view the scene from different angles.

Chapter number

These numbers are recorded on DVD discs. A title is subdivided into many sections, each of which is numbered, and specific parts of video presentations can be searched quickly using these numbers.

Digital audio output connector (Optical)

The digital audio output connector (optical) converts electrical signals into optical signals and transfers them to the amplifier. Consequently, it has a number of features including its immunity from electrical interference from external sources and its ability to prevent the generation of noise and its minimal effect on the external environment.

DVD

This refers to a high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG 2) and high-density recording technology, DVD enables esthetically pleasing full-motion video to be recorded over long periods of time (for instance, a whole movie can be recorded).

DVD has a structure consisting of two 0.6 mm thin discs which are adhered to each other. Since the thinner the disc, the higher the density at which the information can be recorded, a DVD disc has a greater capacity than a single 1.2 mm thick disc. Since the two thin discs are adhered to each other, there is the potential to achieve double-sided play sometime in the future for even longer duration of play.

Field

Half of the video information (video signal) in a frame is called a field. With conventional TV systems, a signal frame (a single screen) consists of two fields.

Field still

Only one field (half of the video information) is displayed on the TV screen, so the apparent resolution is low. However, there is no blurring on the screen.

Frame

Individual images in a video or on the TV are called frames.

Frame still

The two fields are displayed, alternately, on the TV screen, so the image is blurry. However, the image quality is better than field images.

Playback control

This is recorded on a Video CD (version 2.0). The scenes or information to be viewed (or listened to) can be selected interactively with the TV monitor by looking at the menu shown on the TV monitor.

Subtitles

This is the appearance of the dialogue at the bottom of the screen which are prerecorded on some DVD discs.

Title number

These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as title 1, title 2, etc.

Track number

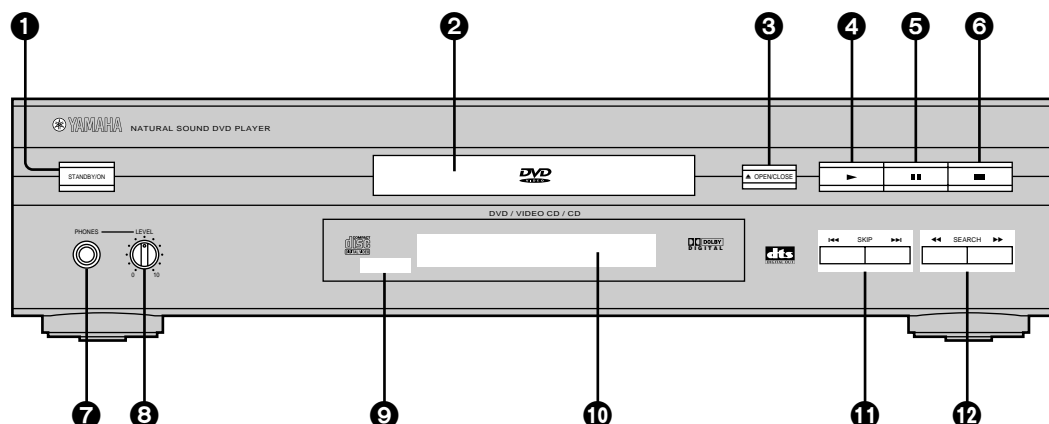
These numbers are assigned to the tracks which are recorded on Video CDs and CDs. They enable specific tracks to be located quickly.

Video CD

This contains recordings of pictures and sound whose quality is on a par with that of videotape. This player also supports Video CDs with playback control (version 2.0).

Control reference guide

Main unit



Page

1 STANDBY/ON button	14
Press to switch the player from standby mode to ON or vice versa. In standby mode, the player is still consuming a small amount of power.	
2 Disc tray	14
3 OPEN/CLOSE button (▲)	14
4 PLAY button (▶)	14
5 PAUSE button ()	16

Page

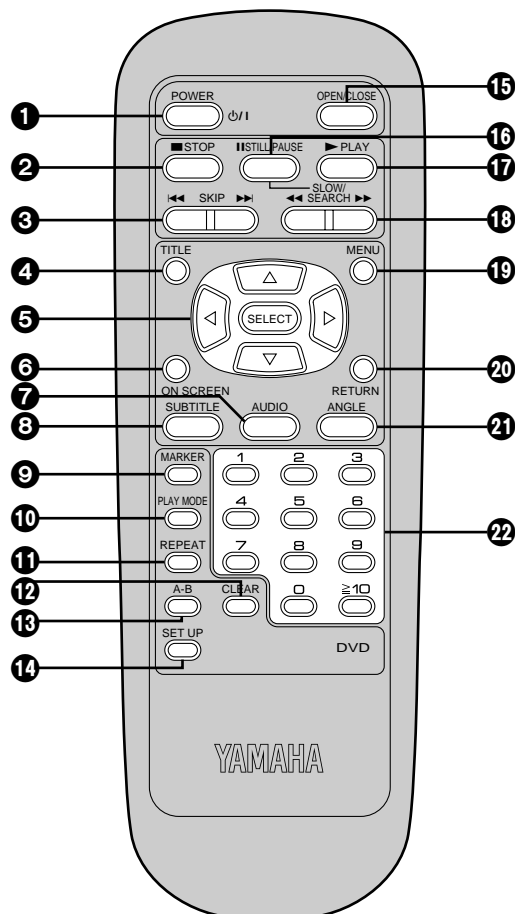
6 STOP button (■)	15
7 Headphones jack (PHONES)	13
8 Phones level control (LEVEL)	13
9 Remote control signal sensor	13
10 FL Display	9
11 SKIP buttons (◀◀, ▶▶)	15, 16
12 SEARCH buttons (◀◀, ▶▶)	17

Remote control unit


Page

1 POWER button (⏻/⏻)	14
2 STOP button (■)	15
3 SKIP buttons (◀◀, ▶▶)	15, 16
4 TITLE button	15, 29
5 Cursor buttons (▲, ▼, ◀, ▶)/SELECT button	15
6 ON SCREEN button	18
7 AUDIO button	27
8 SUBTITLE button	28
9 MARKER button	26
10 PLAY MODE button	25, 26
11 REPEAT button	23
12 CLEAR button	18, 21, 25, 27
13 A-B button	24
14 SET UP button	30
15 OPEN/CLOSE button	14
16 STILL/PAUSE button ()	16
17 PLAY button (▶)	14
18 SLOW/SEARCH buttons (◀◀, ▶▶)	17
19 MENU button	15, 17, 29
20 RETURN button	15, 18, 30
21 ANGLE button	29
22 Numeric buttons	15

•To select a 2-digit number
Example: To select track 23
Press "≥10", "2" and then "3".

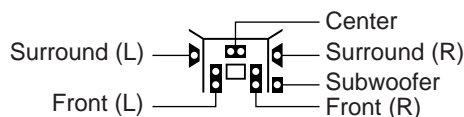


Front panel FL display

- 1**  Rotates during play.
Rotates fast clockwise or counterclockwise during rapid advance (reverse). (See page 17.)
Rotates slowly clockwise or counterclockwise during slow-motion play.
[DVD/Video CD] (See page 17.)

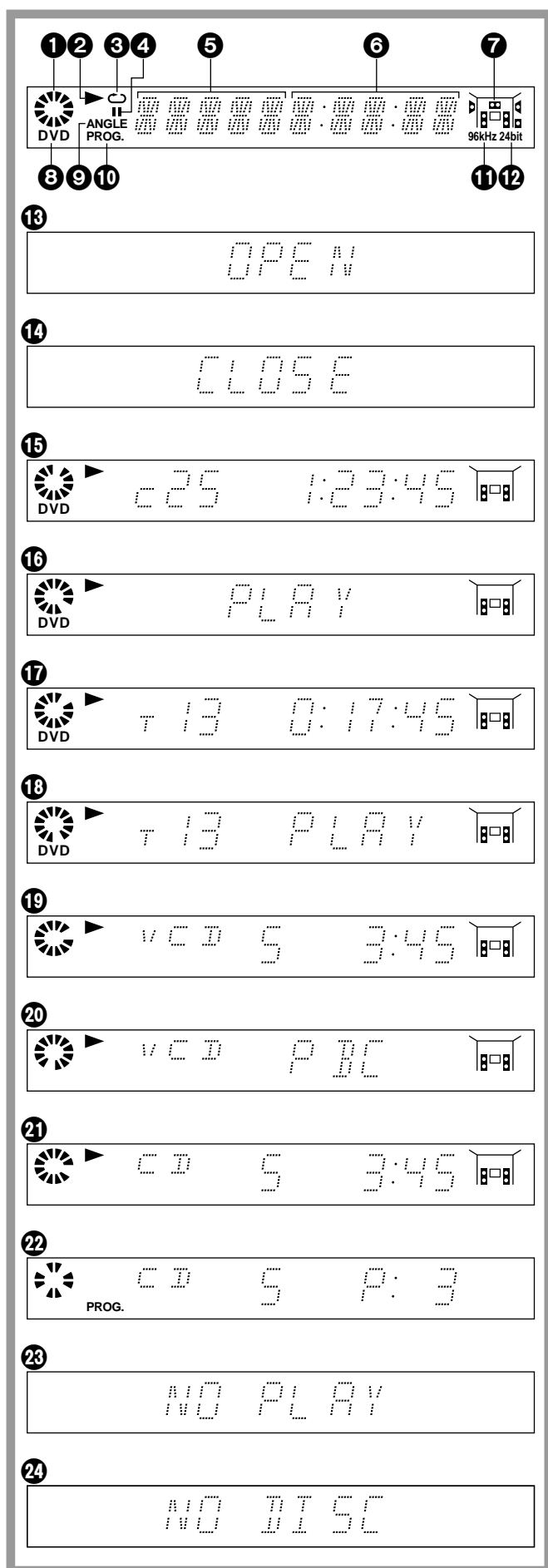
-  Illuminates in the stop mode.

- 2** Illuminates during playback.
Flashes when the RESUME function is ON.
(See page 15.)
- 3** Illuminates during repeat play. (See pages 23 and 24.)
- 4** Illuminates in the still picture (pause) mode.
(See page 16.)
- 5** Indicates the title/chapter number. [DVD]
Indicates the track number. [Video CD/CD]
- 6** Indicates the elapsed playing time from the start of the title/track during play.
- 7** Indicates the audio channel information recorded in the disc being played back (e.g. 2ch or 5.1ch).



- 8** Illuminates when a DVD is loaded.
- 9** Illuminates when it is possible to switch the angle.
[DVD] (See page 29.)
- 10** Illuminates during program play. [Video CD/CD]
(See page 25.)
- 11** Illuminates when Linear PCM of 96 kHz sampling is being played.
- 12** Illuminates when Linear PCM of 24 bit is being played.
- 13** Illuminates when the disc tray is open.
- 14** Illuminates when the disc tray is being closed (retracted).
- 15** Illuminates during play of a DVD.
- 16** Illuminates during play of an interactive DVD.*
- 17** Illuminates during play of a Karaoke DVD.
- 18** Illuminates during play of an interactive Karaoke DVD.*
- 19** Illuminates during play of a Video CD.
- 20** Illuminates during play of a Video CD with playback control.
- 21** Illuminates during play of a CD.
- 22** Illuminates when the track number is selected to be stored in the memory (program play). [Video CD/CD]
(See page 25.)
- 23** Illuminates when playback is impossible.
- DVD for which playback is prohibited by the initial settings "2 Ratings". (See page 32.)
 - DVD with Region No. other than "1" or "ALL"
(See page 6.)
 - Disc of PAL system
- 24** Illuminates when no disc is loaded.

*An interactive DVD is DVD software which includes multiple angles, multiple plot endings, etc.



Connection

- Ensure that this player and other equipment to be connected are set to the standby mode or off, and disconnect the AC cord, before commencing connection.
- Do not block ventilation holes of any of the equipment and arrange them so that air can circulate freely.
- Read through the instructions before connecting other equipment.
- Ensure that you observe the color coding when connecting audio and video cables.
- Select the appropriate screen type at the initial setting "6 TV Aspect" according to your TV set [4:3/16:9 and Standard (Direct View TV)/CRT Projector/LCD Projector/Projection TV]. (See page 36.)

Notes:

- If the DVD/Video CD/CD player is connected to the TV through a video cassette recorder, the picture may not be played back normally with some DVDs.
- When playing some DVD discs, TV volume level may be lower than from some other sources, adjust the TV volume to your desired level.
- When the DVD/Video CD/CD player is connected to the TV set through the component video output connectors, the ON SCREEN informations from the amplifier will not show on the TV screen. To show them, select the input position which is connected to the amplifier on the TV set.

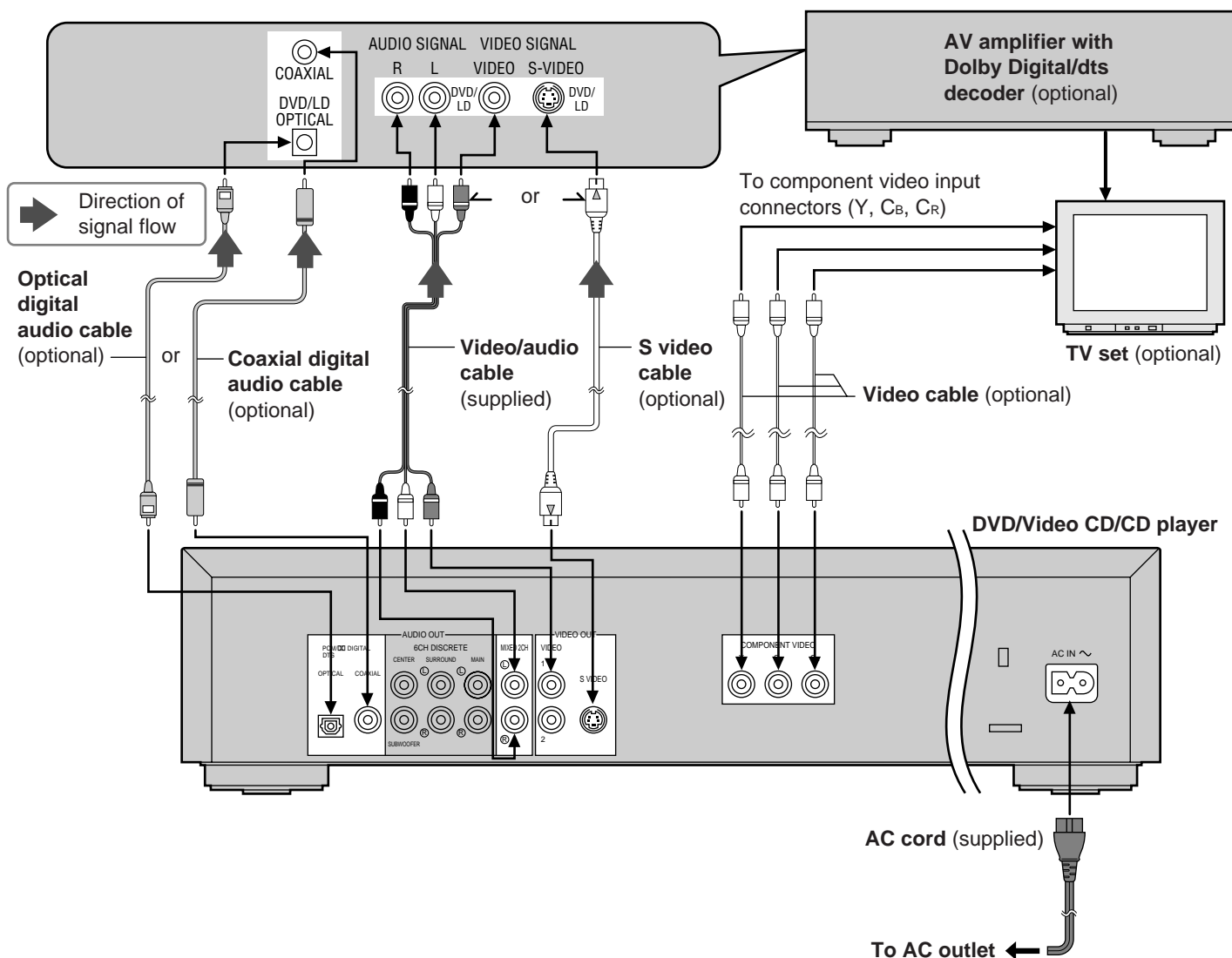
Do not place the player on amplifiers or other equipment which may become hot.

Connecting to an AV amplifier containing Dolby Digital or dts (digital theater systems) decoder

When DVDs recorded in Dolby Digital or dts are played, Dolby Digital bitstream or dts bitstream is output from the player's OPTICAL digital audio output connector or COAXIAL digital audio output connector. When the player is connected to a Dolby Digital decoder or dts decoder, you can enjoy theater-quality audio in your home. [An optical digital audio cable or coaxial digital audio cable (both optional) is required when an optional Dolby Digital decoder or dts decoder is used.]

Note:

- When connecting an AV amplifier which contains dts decoder, be sure to select "Bitstream" at "3 dts" of the initial setting "7 Digital Audio Output". ("Off" is selected at the factory preset.) If "Off" is selected, dts bitstream is not output from the digital audio output connector.



Component video output connectors (Y, C_B, C_R)

The component video output connector outputs the color difference signals (C_B, C_R) and luminance signal (Y) separately in order to achieve high fidelity in reproducing colors.

- The description of the component video input connectors may differ depending on the TV set or monitor (e.g. Y, P_B, P_R/Y, B-Y, R-Y/Y, C_B, C_R and so on). Refer to the instruction manual of your TV set for details.

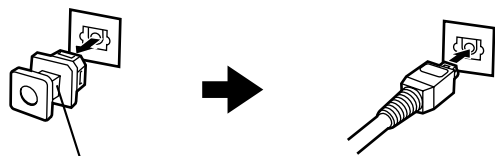
S video output connector

The S video output connector separates the color (C) and luminance (Y) signals before transmitting them to the TV set in order to achieve a sharper picture.

Use the S video cable (optional) when connecting the player to a TV set equipped with an S video input connector for the best picture clarity possible.

Notes when connecting the optical digital audio cable (optional)

- Remove the dust protection cap from the optical digital audio output connector and connect the cable firmly so that the configurations of both the cable and the connector match.
- Keep the dust protection cap and, to protect against dust, always reattach the cap when not using the connector.



Dust protection cap

Concerning the audio output from the player's optical/coaxial digital audio output connector

Disc	Sound recording format	Optical/coaxial digital audio output from connector
DVD	Dolby Digital	Dolby Digital bitstream (1–5.1ch) or PCM (2ch) (48 kHz/16 bit)* ¹ * ²
	Linear PCM (48/96 kHz 16/20/24 bit)	Linear PCM (2ch) (48 kHz sampling/16 bit only) or no output* ¹
	dts	dts bitstream (1–5.1ch) or no output* ¹
Video CD	MPEG 1	PCM (44.1 kHz sampling)* ²
CD	Linear PCM	Linear PCM (44.1 kHz sampling)

*¹The type of audio output from the connector can be selected by "7 Digital Audio Output" of the initial settings. (See page 38.)

*²Compressed sound converted to PCM will be output.

Note:

- Some dts decoders which do not support DVD-dts interface may not work properly with the DVD/Video CD/CD player.

For your reference:

- Dolby Digital is a digital sound compression technique developed by the Dolby Laboratories, Inc. Supporting 5.1-channel surround sound, as well as stereo (2-channel) sound, this technique enables a large quantity of sound data to be efficiently recorded on a disc.
- Linear PCM is a signal recording format used in a CD. While a CD is recorded in 44.1 kHz/16 bit, a DVD is recorded in 48 kHz/16 bit up to 96 kHz/24 bit.
- If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Caution for the optical/coaxial digital audio output connector:

■ When connecting an amplifier (with an optical/coaxial digital input connector) which contains the Dolby Digital decoder or dts decoder

- Be sure to select "Bitstream" both at "2 Dolby Digital" and "3 dts" of the initial setting "7 Digital Audio Output". (See page 38.)

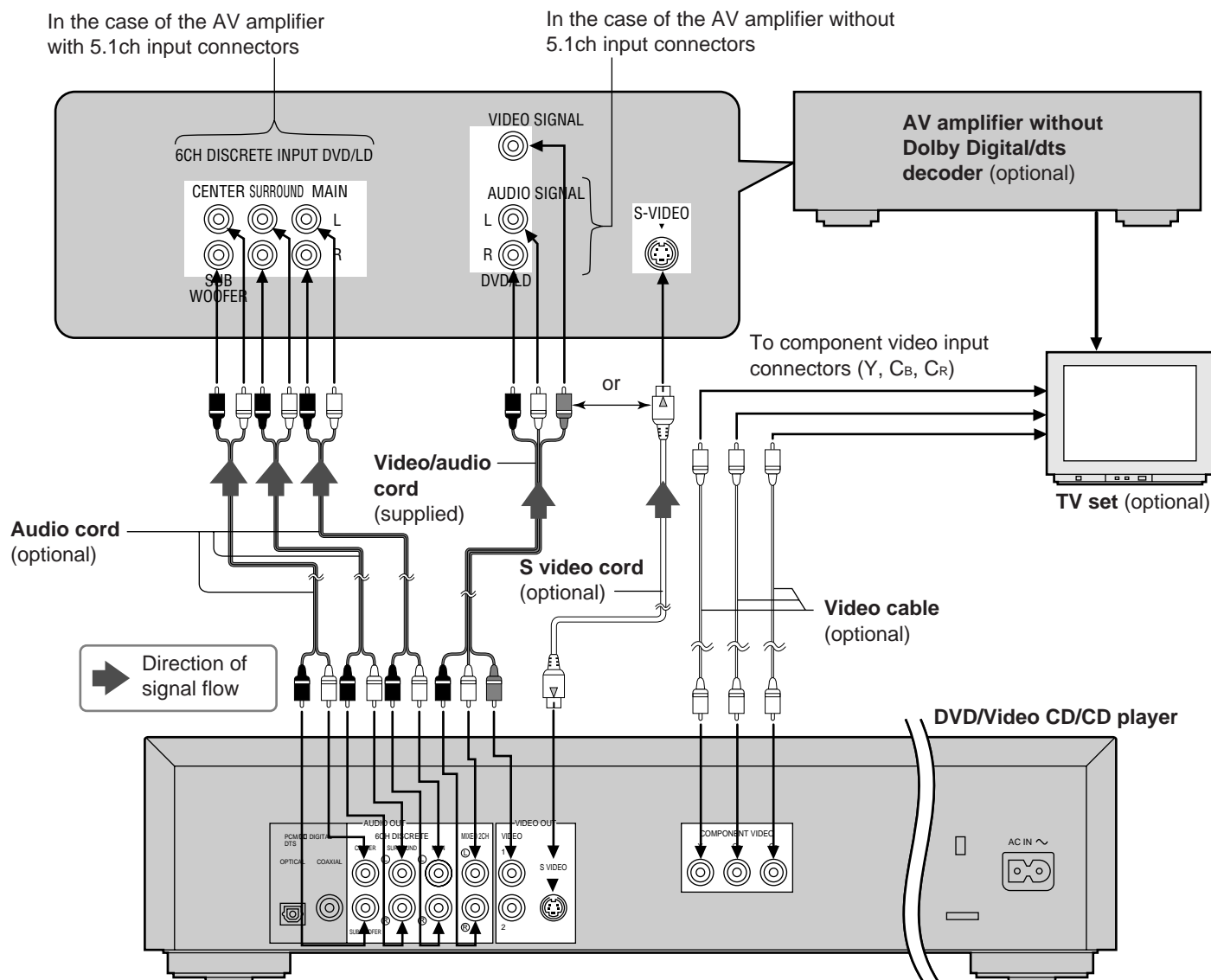
■ When connecting an amplifier (with an optical/coaxial digital input connector) which does not contain the Dolby Digital decoder or dts decoder

- Be sure to select "PCM" at "2 Dolby Digital" and "Off" at "3 dts" of the initial setting "7 Digital Audio Output". (See page 38.)
- Otherwise any attempt to play DVDs may cause such a high level of noise that it may be harmful to your ears and damage your speakers.
- Video CDs and CDs can be played as they would normally be played.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. © 1992–1997 Dolby Laboratories, Inc. All rights reserved.

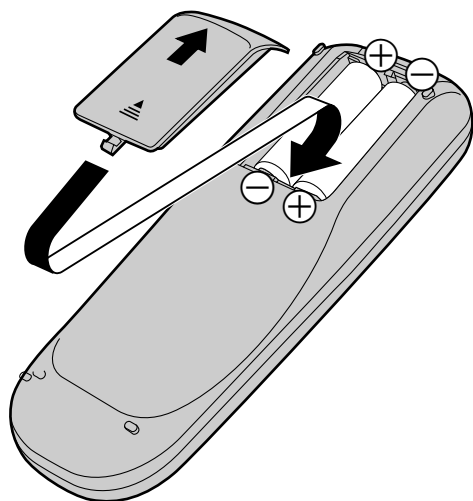
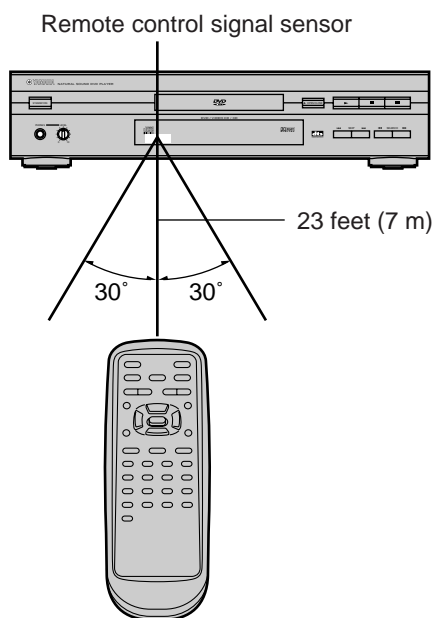
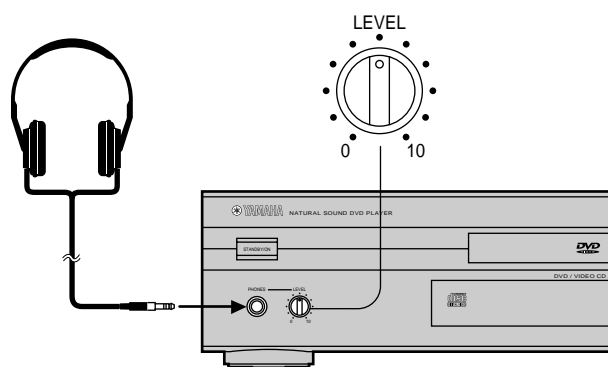
Connecting to an AV amplifier which does not contain Dolby Digital or dts (digital theater systems) decoder

This DVD/Video CD/CD player contains a Dolby Digital decoder. This enables the playback of DVDs recorded in Dolby Digital Surround or Linear PCM without the need for an optional decoder with Dolby Digital or Linear PCM processing. When the DVD/Video CD/CD player is connected to an AV amplifier with 5.1ch input connectors, you can enjoy theater-quality audio in your home when playing discs recorded in Dolby Digital Surround or Linear PCM.



Notes:

- After connection is made, set the "8 Speaker Setting" (such as Yes/No and Large/Small) according to your speaker system. (See page 40.)
- If the surround speakers are set to "No" at the "8 Speaker Setting" (see page 40), the discs recorded in Linear PCM will be played back only in 2 channels even when the center speaker is connected as well as the front speakers.
- DVDs recorded in Linear PCM/96 kHz sampling in which "Center Speaker" is contained will also be played back only in 2 channels.
- If the player is connected to the AV amplifier as shown above, audio recorded in dts will not be output. To enjoy dts sound, it is necessary to connect the player as shown on page 10.

A**B****C**

Remote control unit preparation

Battery installation **A**

Insert the batteries while observing the correct (+) and (−) polarities as illustrated at left.

Service life of batteries

- The batteries normally last for about one year although this depends on how often, and for what operations, the remote control unit is used.
- If the remote control unit fails to work, even when it is operated near the player, replace the batteries.
- Use size “AA” batteries.

Notes:

- Do not use rechargeable (Ni-Cd) batteries.
- Do not attempt to recharge, short-circuit, disassemble, heat or throw the batteries into a fire.
- Do not drop, step on or otherwise impact the remote control unit. This may damage the parts or lead to malfunction.
- Do not mix old and new batteries.
- If the remote control unit is not going to be used for a long time, remove the batteries. Otherwise, electrolyte may leak which may lead, not only to malfunctioning but also, to burns if contact is made with the electrolyte.
- Wipe away any electrolyte leaking inside the remote control unit, and install new batteries.
- If any electrolyte should come into contact with parts of your body, wash it off thoroughly with water.

Remote control operation range **B**

Point the remote control unit from no more than about 23 feet (7 m) from the remote control sensor and within about 60° of the front of the player.

- The operating distance may vary according to the brightness of the room.

Notes:

- Do not point bright lights at the remote control sensor.
- Do not place objects between the remote control unit and the remote control sensor.
- Do not use this remote control unit while simultaneously operating the remote control unit of any other equipment.

Connecting headphones **C**

1 Connect the headphones (optional).

- Headphones with a 1/4" (6.3 mm) stereo plug can be connected.

2 Adjust the volume.

Caution:

Avoid listening to sound at levels which may be harmful to your ears.

Basic play

Before enjoying DVD/Video CD/CD

The On-Screen menu language of your player has been factory preset to English.

If you would like to change the menu language to French or Spanish, please refer to "Selecting language of On-Screen Display menu" on page 33.

In the explanations given below it is assumed that English has been selected as the menu language.

Preparations

- Confirm that the TV set or the audio equipment (if connected) is properly connected to the player.
- Confirm that the power for the TV set or the audio equipment (if connected) is turned on.
- Confirm that the input setting for the TV set or the audio equipment (if connected) is properly selected.
(Example: Select "VCR 2" on the TV set if this player has been connected to TV input connector [2].)

Basic play

1 Press POWER to switch on the power.

2 Press OPEN/CLOSE to open the disc tray.

Open

3 Place the disc on the disc tray with the label side to be played facing upwards.

Hold the disc without touching either of its surfaces, position it with the label side to be played facing upwards, align it with the guides, and place it in its proper position.

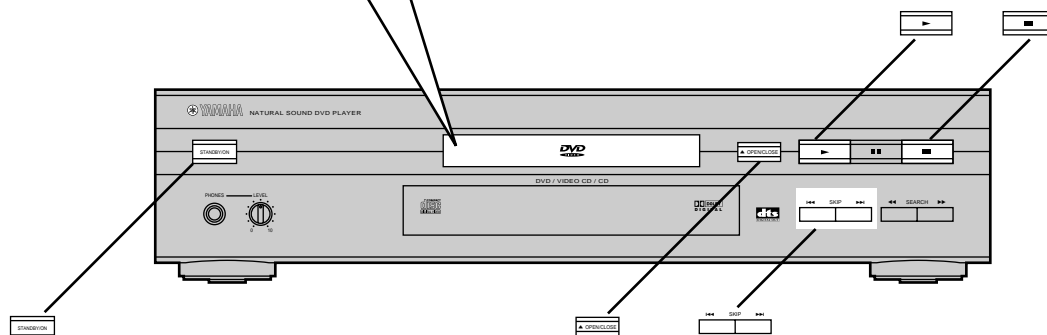
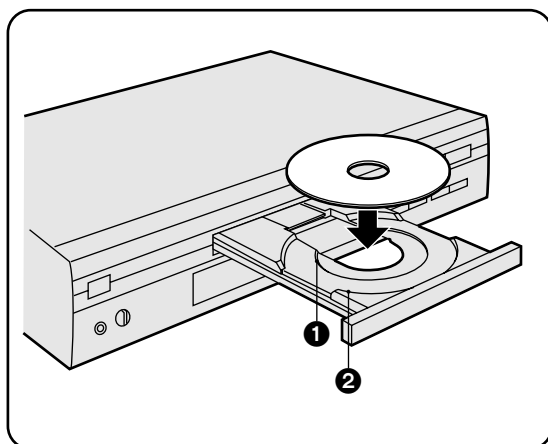
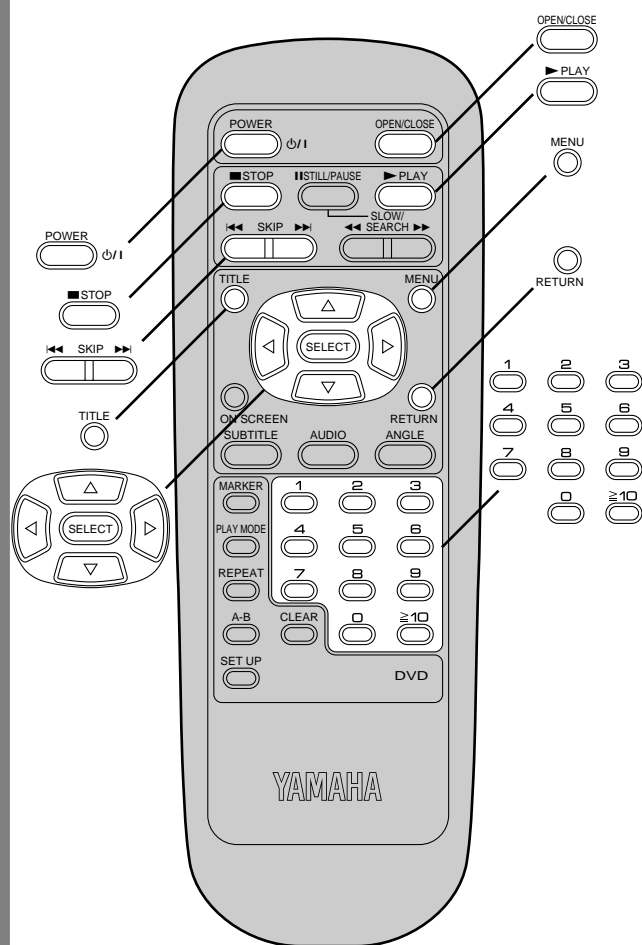
- ① 3" (8 cm) disc
- ② 5" (12 cm) disc

4 Press PLAY.

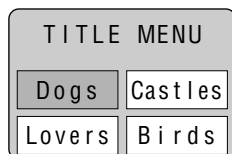
Close

Reading

The disc tray is automatically closed and play begins.



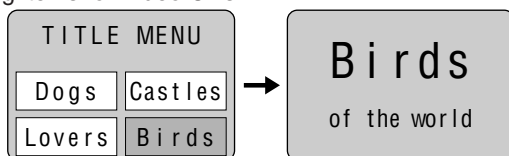
- When the disc tray is closed by pressing OPEN/CLOSE, press PLAY to start play.
- When a menu screen appears on the TV monitor**
In case of an interactive DVD or a Video CD with playback control, a menu screen appears on the TV monitor. Perform step 5 to start play.



(Example of DVD)

5 Press the cursor buttons (▲, ▼, ◀, ▶) and press SELECT, or press the numeric buttons, to select the preferred item.

- The cursor buttons (▲, ▼, ◀, ▶) are not effective for selecting items for Video CDs.



(Example)

Play of the selected item now begins.

While watching the movie program

•Setting to the picture quality best suited to movies

Using the On-Screen Menu Icon will select the optimum picture quality for movie programs (this setting gives a gentler feel to videos, producing more detail in darker scenes and helping to reduce noise).

The picture quality of your choice can be set using the On-Screen Menu Icons. (See "Cinema Image" on page 21.)

•Raising the volume but only for the dialogue

The volume for the dialogue only can be raised by displaying the On-Screen Menu Icons (for player information) and setting "Cinema Dialogue" to "ON". (See page 21.)

[This setting takes effect only for discs which are recorded with Dolby Digital 5.1ch and with the sound contained in the center channel.]

When the menu continues onto another screen

After step 4 on page 14, press SKIP (▶▶).

- To return to the previous menu screen
Press SKIP (◀◀).
- Due to the design of some software titles, SKIP (◀◀, ▶▶) may not always work. For operation, refer also to the jacket of the disc concerned.

Stopping play and returning to the menu screen

Press TITLE, MENU or RETURN (for DVD), or RETURN (for Video CD).

Play is suspended, and the menu screen is displayed.

- The buttons may not work depending on the disc used.

After operation

When the player is not in use, remove the disc and press POWER to set the player to the standby mode.

The player is automatically set to the standby mode after 30 minutes or so have elapsed in the stop mode.

(Auto power-off function)


What is playback control?

If a Video CD has "playback control" written on its disc or jacket, it means that particular scenes or information can be selected for viewing interactively with the TV monitor using the menu screen.

Notes:

- The disc continues to rotate while the menu is displayed even after the player has finished playing a particular item. When no further selections are to be played, be sure to press STOP to clear the menu display.
- If the disc is placed in upside down (and it is a single sided disc), the FL display will indicate "NO PLAY".

For your reference:

- When  appears on the TV monitor while a button is being operated, it means that the corresponding operation is prohibited by the player or the disc.

Stopping play

Press STOP during play.

RESUME function

The player records the point where STOP was pressed during play (**RESUME function**). ("▶" flashes on the player's FL display when this function is activated.)

- Press PLAY again while "▶" flashes, and play will resume from this point.
- When the tray is opened or STOP is pressed again while "▶" flashes, the RESUME function will be cleared.

The RESUME function works only with titles for which the elapsed playing time appears on the player's FL display during playback.

This feature will not be cleared when the player is set to the standby mode and then turned back ON.

Chapter preview function (DVD only)

When PLAY is pressed while "▶" flashes, the message shown at right is displayed.

Press PLAY to Chapter Preview

When PLAY is pressed again while the above message is displayed, the first few seconds of each chapter from the beginning of the title up to the point where operation was stopped will be played. This makes it possible to review previously viewed chapters. Normal playback will commence from the point where operation was stopped.

Notes:

- Cancelling the RESUME function will also clear the chapter preview function.
- The chapter preview function may not work with some DVDs.

Skipping ahead or back

Press **SKIP** (◀◀, ▶▶) during play.

◀◀: Reverse direction

▶▶: Forward direction

For your reference:

- A chapter (DVD) or a track (Video CD/CD) is skipped each time the button is pressed.
- When SKIP (◀◀, ▶▶) is pressed once midway through a chapter/track, play returns to the start of that chapter/track. When it is pressed again, a chapter/track is skipped each time the button is pressed.
- When SKIP (◀◀, ▶▶) is pressed during menu play of Video CDs with playback control, a menu screen may sometimes be recalled.

Still picture (Pause)

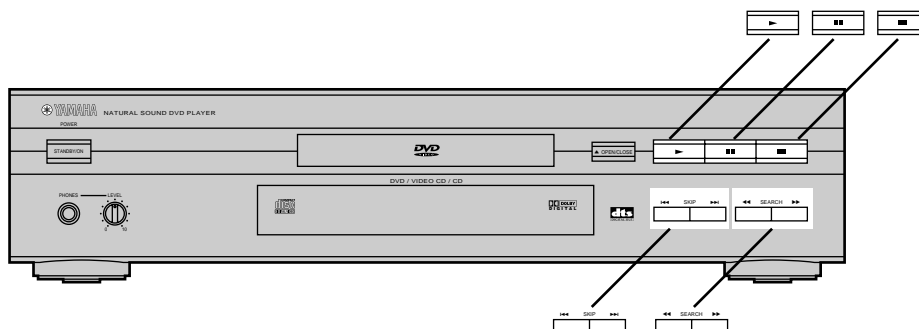
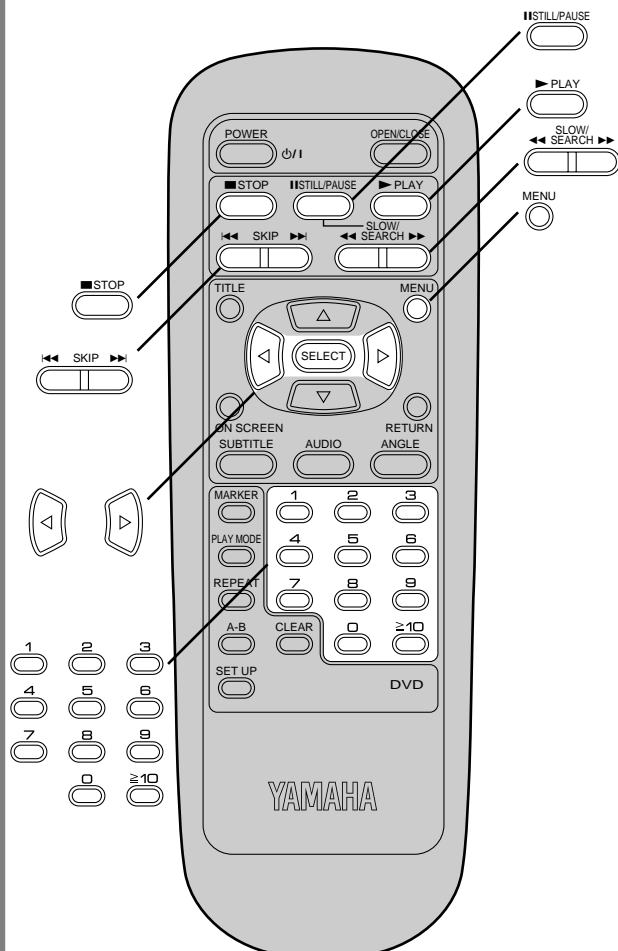
By the remote control unit

Press **STILL/PAUSE** during play.

By the main unit

Press **PAUSE** during play.

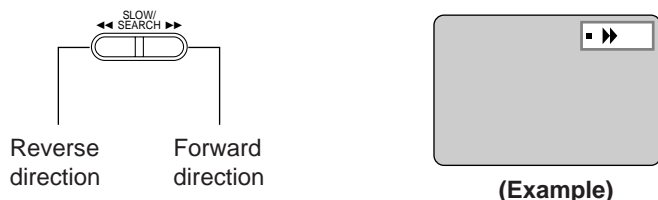
- **DVD/Video CD:** The player will be placed in the still picture mode.
- **CD:** The player will be placed in the pause mode.
- Normal play is resumed when **PLAY** is pressed.



Rapid advance (Rapid reverse)

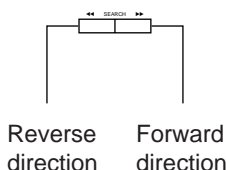
By the remote control unit

Press **SLOW/SEARCH** (◀◀, ▶▶) during play.



On the main unit

Press **SEARCH** (◀◀, ▶▶) during play.



- The speed of advance (reverse) is relatively slow at first. When the button is pressed again, the speed becomes faster. (Each time the button is pressed, the speed increases up to 5 steps.)
- The speed will be retained even after the button is released.
- Normal play is resumed when **PLAY** is pressed.

For your reference:

- When **SLOW/SEARCH** (◀◀, ▶▶) or **SEARCH** (◀◀, ▶▶) is used during menu play of Video CDs with playback control, a menu screen may sometimes be recalled.
- For DVD and Video CDs, audio from 6CH DISCRETE or MIXED 2CH output connectors will be heard during rapid advance scanning at the initial scan speed. (See page 42.)

Frame advance (Frame reverse)

[DVD/Video CD]

Press the cursor buttons (◀, ▶) in the still picture mode. (See page 16.)

- ◀: Reverse direction
- ▶: Forward direction
- The disc is advanced (reversed) by one frame each time the cursor button (◀, ▶) is pressed.
- When the cursor button (◀, ▶) is kept pressed, consecutive frame advance (reverse) works.
- Normal play is resumed when **PLAY** is pressed.

Note:

- For Video CDs, frame reverse is not possible.

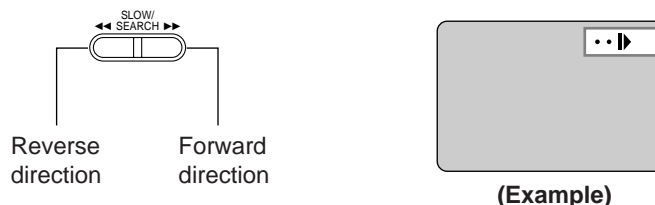
For your reference:

- Pressing **STILL/PAUSE** or **PAUSE** also activates frame advance.
- Whether the pictures are advanced by a "Frame" or "Field" is automatic. (See page 42.)

Slow-motion play [DVD/Video CD]

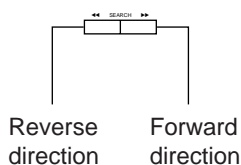
By the remote control unit

Press **SLOW/SEARCH** (◀◀, ▶▶) in the still picture mode. (See page 16.)



On the main unit

Press **SEARCH** (◀◀, ▶▶) in the still picture mode. (See page 16.)



- The speed of slow-motion is slow at first. When the button is pressed again, the speed becomes faster. (Each time the button is pressed, the speed increases up to 5 steps.)
- The speed will be retained even after the button is released.
- Normal play is resumed when **PLAY** is pressed.

Note:

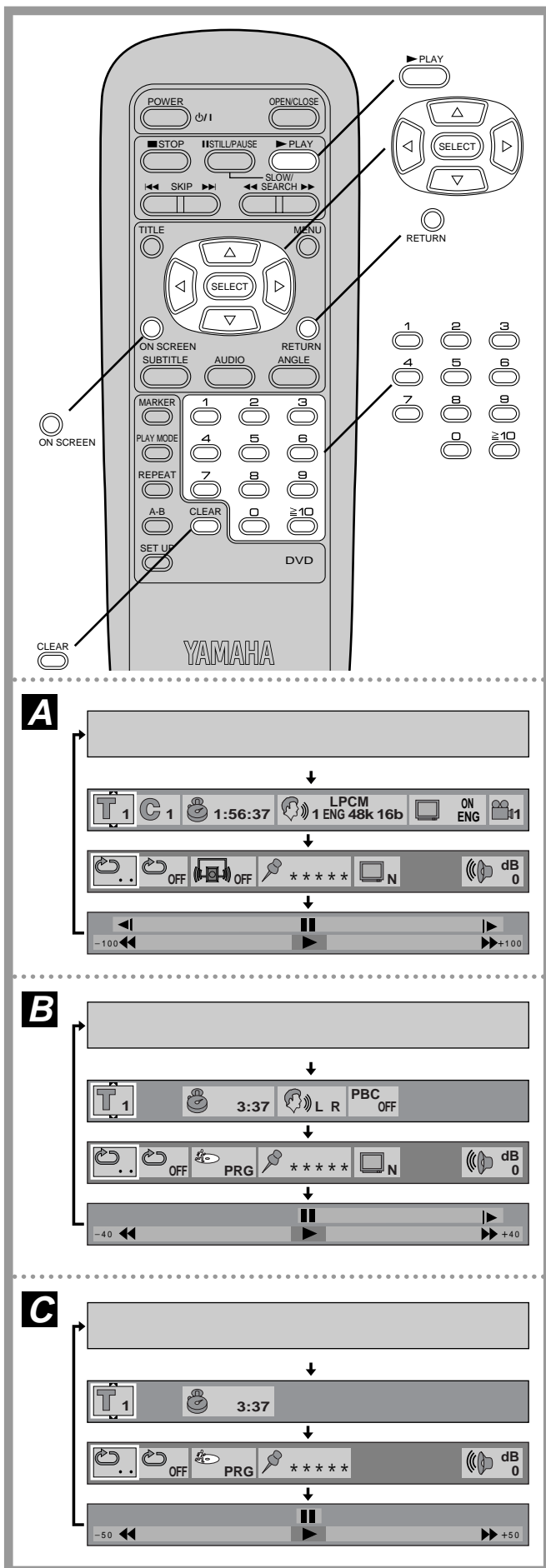
- For Video CDs, slow-motion playback in reverse direction is not possible.

Enjoying Video CDs with playback control without using menus [Video CD]

1. Press **STOP** after the menu screen appears (after step 4 on page 14).
("PBC" will be cleared from the player's FL display.)
2. Press the numeric buttons to select the preferred track. (Play begins.)
 - Refer to the jacket etc. of the disc concerned for the track numbers.
 - Press "1" to start play from the beginning of the disc.

To return to menu play

Press **STOP** to stop playback and press **MENU**. ("PBC" will light up on the player's FL display and the menu screen is resumed.)
Perform step 5 on page 15.



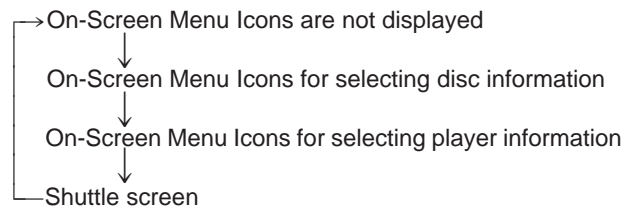
General information about On-Screen Menu Icons

This player features On-Screen Menu Icons providing various functions. A "banner" will be displayed on the TV monitor by pressing the ON SCREEN button on the remote control. Operating the cursor buttons/SELECT button on the remote control will show disc information (title/chapter/track number, elapsed playing time, audio/subtitle language, and angle) and player information (repeat play, play mode, marker, etc.). Some icons allow the settings to be changed.

Common procedures

1 Press ON SCREEN during play or in the stop mode.

Each time this button is pressed, the TV monitor changes as shown below.



•Some functions cannot be accessed from the stop mode.

2 Press the cursor buttons (◀, ▶) to select the preferred item.

•The currently selected item is indicated by the yellow frame on the On-Screen Menu Icons.

3 Press the cursor buttons (▲, ▼) to select the preferred setting.

•For some functions, the setting will be registered immediately; for others, SELECT or PLAY must be pressed.

•When numbers are displayed (e.g. title No.), the numeric buttons are also effective for setting instead of the cursor buttons (▲, ▼). When numbers are entered by the numeric buttons, press SELECT to register the setting.

Press RETURN or CLEAR to clear the On-Screen Menu Icons.

Examples of On-Screen Menu Icons

(See **A**, **B** and **C** for detailed illustration.)

(The screens may differ depending on the disc contents.)

•DVD (**A**) •Video CD (**B**) •CD (**C**)

For your reference:

•Depending on the type of DVD software and a TV with automatic picture zoom function enabled, the On-Screen Menu Icons may not be displayed or only partially displayed on the TV screen.

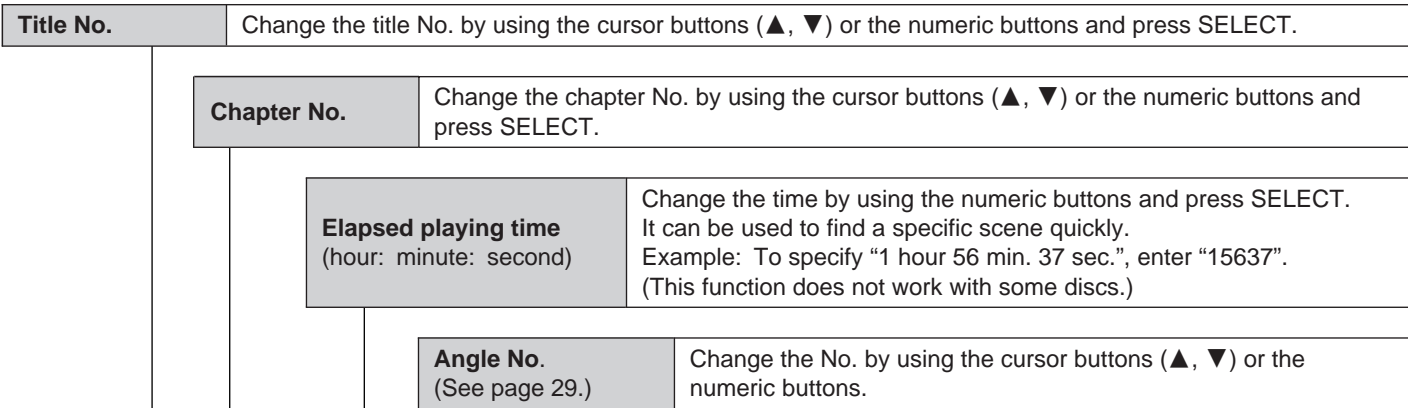
In this case, change the position of the On-Screen Menu Icons in "4 On-Screen Messages" of the initial settings.

(See page 34.)

•The color (blue, violet or green) of the On-Screen Menu Icons can be changed. (See page 34.)

Detailed descriptions of each On-Screen Menu Icon

Screen for disc information (For DVD)

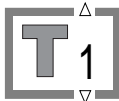


Audio soundtrack language No. (See page 27.)		Change the No. by using the cursor buttons (▲, ▼) or the numeric buttons.	
Audio soundtrack language		ENG: English POR: Portuguese FRA: French RUS: Russian DEU: German JPN: Japanese ITA: Italian CHI: Chinese ESP: Spanish KOR: Korean NLD: Dutch MAL: Malay SVE: Swedish VIE: Vietnamese NOR: Norwegian THA: Thai DAN: Danish *: Others	
Audio attribute	LPCM	96k or 48k	16b or 20b or 24b Linear PCM ("k" stands for kHz and "b" stands for bit.)
	Dolby Digital	1-5.1ch	Dolby Digital
	dtc	1-5.1ch	dtc
	Vocal	--- (OFF)	DVD Karaoke (Solo)
		ON	
	Vocal	--- (OFF)	DVD Karaoke (Duet)
		V1+V2	
		V1	
		V2	

Subtitle language No. (See page 28.)		Change the No. by using the cursor buttons (▲, ▼) or the numeric buttons.	
Subtitle language		ENG: English POR: Portuguese FRA: French RUS: Russian DEU: German JPN: Japanese ITA: Italian CHI: Chinese ESP: Spanish KOR: Korean NLD: Dutch MAL: Malay SVE: Swedish VIE: Vietnamese NOR: Norwegian THA: Thai DAN: Danish *: Others	
Subtitle on/off		Select "ON" or "OFF" by using the cursor buttons (▲, ▼).	
		OFF	Subtitle is cleared.
		ON	Subtitle is displayed.

For your reference:

● "▲ ▼" around the icon means that the item can be changed using the cursor buttons (▲, ▼).





- “ \triangle ∇ ” around the icon means that the item can be changed using the cursor buttons (\blacktriangle , \blacktriangledown).



Screen for player information

A-B repeat play (See page 24.)

Press SELECT during play to store location A and press SELECT again to store location B and to start repeat play between the specified two locations. Press SELECT again to return to normal play.

Repeat play (See page 23.)

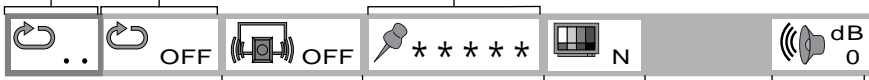
Select the preferred mode during play by using the cursor buttons (▲, ▼).

OFF	Normal play	DVD
C	Chapter repeat play	
T	Title repeat play	
OFF	Normal play	Video CD/ CD
T	Track repeat play	
A	Disc repeat play	

Marker (See page 26.)

Press SELECT during play and press SELECT again at the preferred point to store a marker. (Marker no. is displayed instead of "X".)

- To recall a marker, select the preferred marker no. by using the cursor buttons (◀, ▶) and enter the selection using the cursor button (▲).
- To clear a marker, select the preferred marker no. using the cursor buttons (◀, ▶) and press CLEAR.



•DVD Cinema Dialogue (See page 15.)



Select the preferred mode during play by using the cursor buttons (▲, ▼).

OFF	Normal volume
ON	Louder volume

•Video CD/CD Play mode (See pages 25 and 26.)



PRG	Program play
RND	Random play
---	Normal play

Master volume

Adjust the master volume by using the cursor buttons (▲, ▼).
0 to -127 dB or -∞

Cinema Image (DVD/Video CD only)

Select the preferred mode by using the cursor buttons (▲, ▼).

N	Normal mode	F	Fine mode
S	Soft mode	C	Cinema mode

User selection mode (Adjust the picture quality as you like.)
When "U" is selected and SELECT is pressed, the On-Screen Menu Icon as shown below appears.

U		0		0		0		0
	Contrast (+7 to -7)		Color hue (+7 to -7)		Equalizer (+1/0/-1)		Brightness (0 to 15)	

Select the preferred item by using the cursor buttons (◀, ▶) and select the preferred value by using the cursor buttons (▲, ▼).

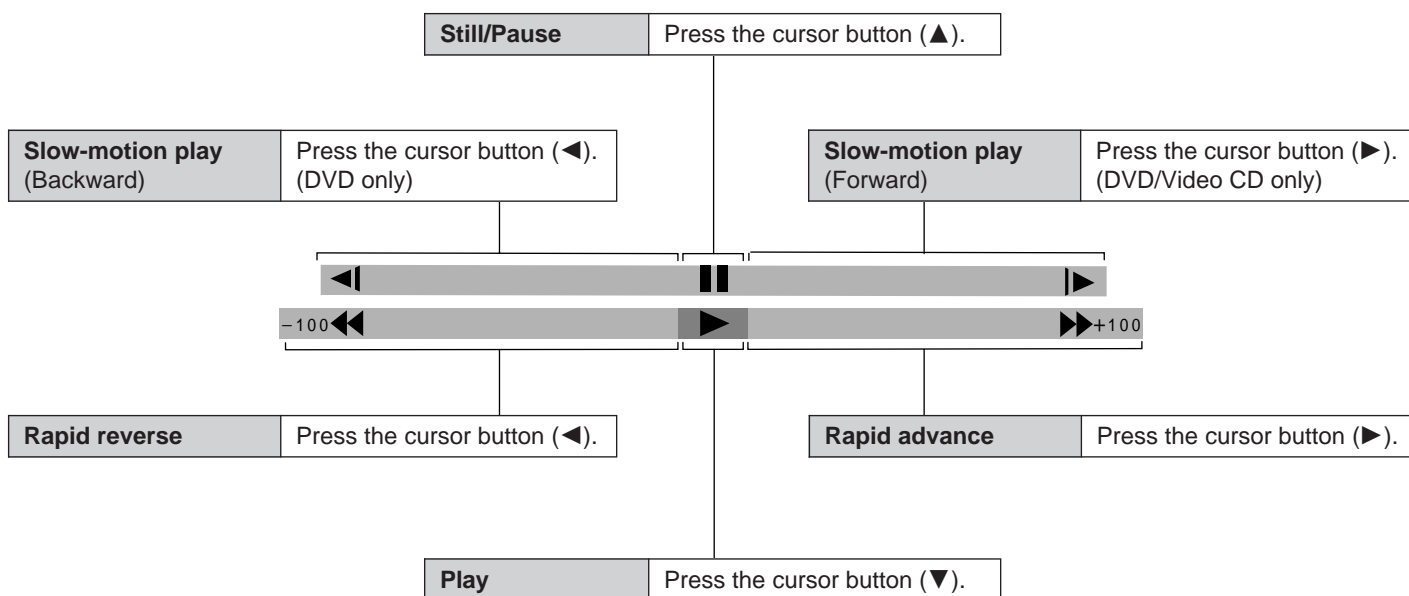
Notes:

- Repeat play and marker functions do not work with an interactive DVD or during menu play of a Video CD with playback control.
- A-B repeat play does not work with an interactive DVD.
- It is not possible to change the play mode using the On-Screen Menu Icons.

For your reference:

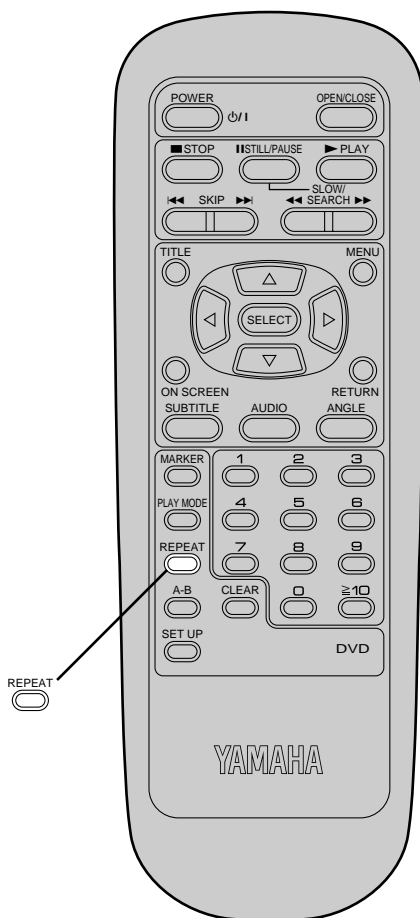
- The master volume can be set and stored separately for DVD, Video CD and CD.

Shuttle screen



For your reference:

- Each time the cursor button (◀, ▶) is pressed, the speed of rapid reverse/advance and slow-motion play increases up to 5 steps.
- The figures appearing at both ends of the shuttle screen stand for the maximum speeds of rapid reverse and rapid advance. (DVD: +100/-100, Video CD: +40/-40, CD: +50/-50)



Repeat play

Repeat viewing (listening)

Press REPEAT during play.

Each time this button is pressed, the TV monitor changes as shown below and the disc will repeat a chapter or title (DVD) or a track (Video CD/CD).

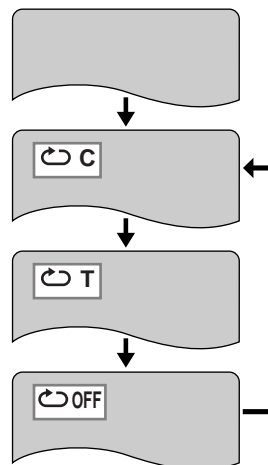
•DVD

Normal play

Repeat of chapter being played

Repeat of title being played

Cancel repeat mode
(Normal play)



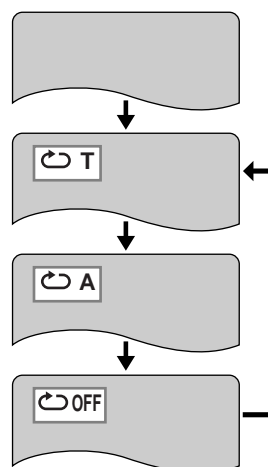
•Video CD/CD

Normal play

Repeat of track being played

Repeat of entire disc contents

Cancel repeat mode
(Normal play)

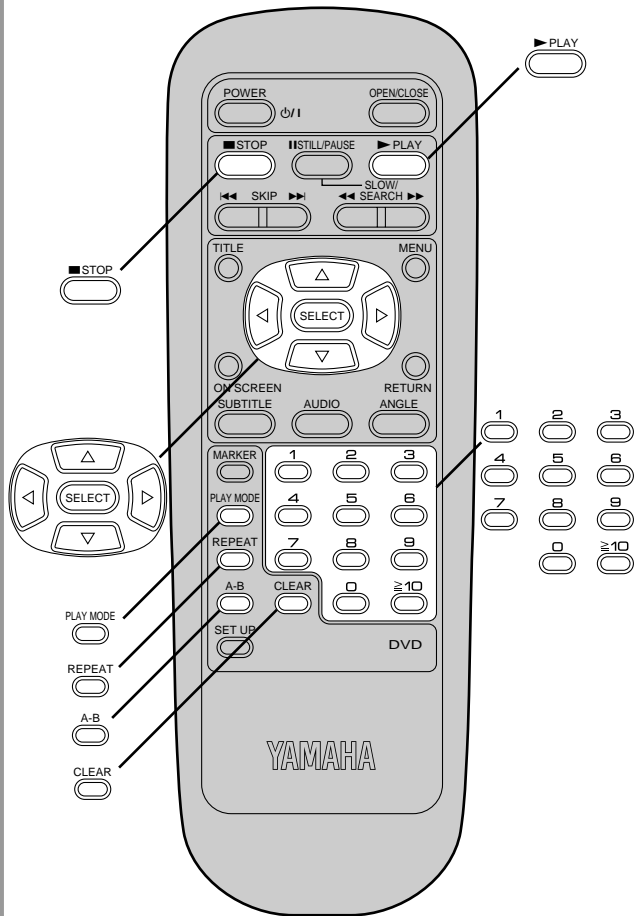


To return to normal play

Press REPEAT several times until "⌂ OFF" is displayed.

Notes:

- Repeat play may not work correctly with some DVDs.
- Repeat play does not work with an interactive DVD or during menu play of a Video CD with playback control.



Repeat play

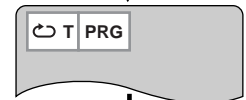
To enjoy program repeat play

If REPEAT is pressed during program play (see page 25), the display changes as follows:

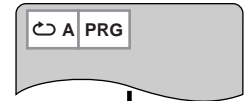
Program play



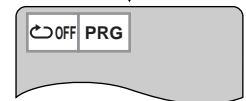
Repeat of programmed track being played



Repeat of all programs



Cancel repeat mode (Program play)

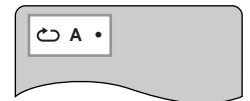


To return to program play

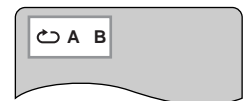
Press REPEAT several times until "OFF" is displayed.

Repeating sections between two specific points (A-B repeat)

- 1 Press A-B during play at the point where repeat play is to start (A).



- 2 Press A-B at the point where repeat play is to be concluded (B).



Repeat play of the selection between points A and B starts.

To return to normal play

Press A-B several times until "••" is displayed.

Notes:

- A-B repeat play does not work with an interactive DVD.
- Some subtitles recorded around point A or B may fail to appear. [DVD]
- A-B repeat play works only within a title [DVD] or a track [Video CD/CD].

For your reference:

- If the title/track is completed before end location B is specified, the end point of the title/track serves as end location B.